

FIGURE 1

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1  gtcgacctgc aggtcaacgg atctgagagg agagtagcct cttgtagata acagttggat
61 tatataccat gtccatgatcc ccttcacatc ccaggagagc agaggtgggtc accctgatag
121 cagcaagcct gggggctgca gcttgggtgg tagaggtact caggggtaca gatgtctcca
181 aacctgtcct gctgccttag ggagcttcta ataagttgat ggatttgggtt aaaattaact
241 tggctacttg gcaggactgg gtcagtggag accaacaataa agaagacatc agattatacc
301 ctggggggtt gtatttcttg tgtttctttc tcttctttgt actaaaatat ttacccatga
361 ctgggaaaga gcaactggag tctttgtagc attatcttag caaaaattta caaagtttgg
421 aaaacaatat tgcccatatt gtgtgggtgt tctgtgaca ctcaggattc aagtgttggc
481 cgaagccact aaatgtgaga tgaagccatt acaaggcagt gtgcacatct gtccacccaa
541 gctggatgcc aacatttcac aaatagtgtc tgcgtgacac aaatgcagtt ccaggaggcc
601 caaatgaaaa tgtttgtact gaaatttgtt aaagcttccc gacaaaactag atttatcagt
661 aaggattgtt ttctgcaagg gggatgaaac ttgtgggggtg agccatttgg gctgaggagg
721 agggaggttg gagctgagaa atgtggagac aatttccctt tagaaggact gaatctccct
781 gcctctctgg ggtgcggcag ccagcaggat ccaatgggtg atatgtctcc ccagctcccc
841 attcagtgat atcatgtcag tagcttgaaa ttatccgtgg tgggagtatt atgtcatgga
901 aattggcaaa tggaaaactt tattggagat tcaattgtta aacttttacc agcacaacac
961 tgccctgcct tcagagtcaa tgacctatc caagtttaat ccactgtcc actgtctcca
1021 acacgatctt tataaaacac acctgacaac attacccttt tattcagttt tttaaagat
1081 aagtttccag ctcatcgggg tggctttaa ggccatttct cctctggacc tcacccaact
1141 tttcaaatca cttttcctac ccctacctct aaatgctact caaactccag ccctcctgaa
1201 taataagact tttgaaaagt agattatggg ctgggcacag tggctcacac ctgtaatccc
1261 agcactttgg gaggccaaga tgggtggatc acctgagggtc gggagttcga gaccagcctg
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1381 aagcctgtaa tcccagctac tcaggaggtt gaggcagggg aattgcttga acctgggagg
1441 cggaggttgc ggtgagccta gatgtctcca ctgcaactca gctgggcaa caagagcgaa
1501 actccatctc aaaaaataa ataaataaat aaagtagatt acatcagata cctctggcct
1561 aggttgttta tgaccaactc tctgctgag atggccaagg ctgtaaggaa aaaacatatt
1621 tccaaaagat ctctttggag gcatcagaga atggccaagg ctgtaaggaa ctgcctgagc
1681 ccagagaggt ggagcccagc actggtgccc tttactcctg gggacatgtg ctggtttcaa
1741 aaacttcagc tgagcttttg agcattcatg gaacttgggt ggggagatga aatttgtacc
1801 ttaaatectg cctacaggga gggtcctga taatccccac ccaatttggg aatctgggtc
1861 agccttcaca ggtactgaag ccctcctctg aatgatctca agtcctgcta gggtagaggt
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1981 aggttacaga taacaatcat ccagagcctt gaatgacctc tactgtgctt aatatatagt
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2101 ataggcaata aattgagatc cagcagggat ttgaatcatg gatttgaatc aggggcagcc
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2401 aagacatgga cagcctgggt tccctatctc tctgcttcat caaaacccct ttacgtgggg
2461 cttagacact cctgttgtct ctagtgtcta gtagcacagg gctcagcaca tgggaagccac
2521 tagatacaat ttgatgacca ggacctccga tgaaagccat ggggtgctgat tgggaaggca
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2701 acgccaactg tttgggtgag ataagacgaa accaagagtg gacttgtggc cagaagcgtg
2761 aggaagaggg agagagcttc ccttgtcccc tttcttctc tccctaagcc acagtgattg
2821 acagccccc cgttttggag tcagagcagg cttgagactg gactgggaaa ggagggtggg
2881 tcaggataca gagcaggaag gctgggagtg cagggcagga gcaaggggtt ggggcattca
2941 ttgtgcttga tctctccac tttacctggg gtaaaagaagc atatgcaaaa gccacggtgt
3001 gagtatttcc accgatgatg tggcttctat tgattcatca cgtgcagcat ttcattcaat
3061 ctttatagta accgatgatg tggcttctat ttttagctct atcagataat gaaactgaga
3121 ccaagacagg ctctgcacat tgtgtgggtt aatgacacag ggggattcag acctagactc
3181 cataactcct gccccaggga ccacccccac cctcaccctg tgcatgtcga caaaggacag
3241 actgggccac ttctcaggac acagcgggga aatgacacag agcagggagg ttccaggagc
3301 cccgagcgtc ttttctccag gagaatactc tctgaattca gactgggggtc agagaaacat
3361 ttaccagga gccgcagtgt ggggtggggt ttttacttga aacgctgtct gaaggcagtg
3421 gcaggatgaa ctctccacc taccttgga agccacttct cttctgcaat ctgtaaggac

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FIGURE 1 (continued)

3481	attgttgaga	gaattatggt	cttccaattc	cggagggttg	aagaaagaca	aataggagag
3541	aacctatcat	agtcagggtgc	tagctgcctt	ctctttcaga	gagtgtgaga	ataaagtgat
3601	acacttgatt	attagcaaat	acttttgaaa	ttttaaacgc	taatattcaa	cacactctgg
3661	aagaggcaaa	taagtagaca	ggttcatata	catcatctcc	ttcagctagt	cctcacaaaa
3721	acaaacaaat	gaataaacia	aattcttctt	tggccctcat	aggaagacac	tgtttcttga
3781	acgtgtttca	aaaaggatgg	gtgactcact	caaggtcaca	ctgtttatga	ggacagtaca
3841	ggaatacaga	catgccattt	tgcctgaaaa	aatccatcac	ccaggagggt	gacacaattt
3901	tgcagaaatg	ttctattttc	tctgaaggat	acattcttta	aacctttggg	aaattcattc
3961	atagtcttcc	tcctttgaag	gattactctc	tggacacaaa	gtgtttgatt	ctgattttgtt
4021	ggttggaaga	tgtgttggtt	gagagaaaga	ttctgatttg	ttggttgaaa	atagactcat
4081	caagatcaac	tgcctgtagt	gtaaaatatt	tgacattttg	tctgtattcc	tgtgctgccc
4141	tcacaagctg	catcaccttg	agtgaagcat	tcatactttt	ttgtttgttt	ttgttttgga
4201	gatggagtct	tactctgttg	cctaggctgg	agtgcggtgg	cgtgatcttg	gctcactggg
4261	acctccatct	cctgggttca	agtgatcctc	ctgcctcagc	ctcccagagta	gctgggattc
4321	caggcacatg	ccaccatccc	tgcctaatttt	tgcattttca	gtagagacgg	agtttcacca
4381	tgttgggtcag	gttgggtcttg	aactcctgac	ctcagggtgat	ccgcccacct	cagcctcccc
4441	aagtgtctggg	attacagggtg	tgagccaccg	tgcccagccc	agccatcatt	tttgaaacac
4501	gtttgagaaa	tagtgtcttc	ctttgagggc	caaggagaca	ttttttttgt	ttattttgttt
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4621	ttcccagagt	gtgatgaata	ttagggttta	aagtttctga	agcatttggt	aataaagccc
4681	ggggctggag	gtcagaagac	ctggatttct	ctgcatactt	ttgccatcag	caagctgtgt
4741	gaccttgga	agatcccttt	tttgtctaaa	tctttctgag	tcttcttgaa	aacaatgcca
4801	ggttgggaca	ggatgattgc	caagctcccg	tccagctcta	aaacactgca	acgtatgctt
4861	ctgcaccagc	actgtccatc	ctgtagatca	tcagaaaatt	ctcttcaact	ttttcttacc
4921	cataaaatag	gagcatgctt	acctttttcc	taatgttcca	ggccccgggt	ctagattttg
4981	taagtaagga	agttaatgtg	tatcagagcc	cattatgggc	cagaagttct	cctcttccct
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5161	tgattttgttc	aagggtcacac	gggtggcaca	aggcaagtgg	cagagggtga	atttagaccc
5221	attcctgtcc	aaatgctgag	tttatgtcat	cgtcccagaga	ccataacttt	aaagatgtaa
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5341	gtcagcagac	tcaggccaaa	tcgggtccat	tcoccgcttt	tgcaaagaaa	gttgtagtgg
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5461	agctgagtaa	tcgtggcgca	caaaacctaa	aatatttact	atctcgtcct	ttacagaatg
5521	tttgccaatc	tatgggtccgg	agtcacaggc	tgtccatttt	tcaaagaaca	caaagtgaca
5581	tgagactgtc	ccatgtgcag	ggagccctat	cattttatta	tgaaaaaacg	gcctttctgc
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5701	gagtttggtt	tccattgtgc	tcttcttccc	aggaactcaa	tgaaggggaa	atagaaatct
5761	taattttggg	gaaattgac	aggggaaaaa	ggggagggaa	tcagttacaa	cactccattg
5821	cgacacttag	tgggggtgaa	agtgaacaca	gcaagggttt	ctcttttttg	aatgctgagg
5881	agggattttc	cgttctctgc	agtgggcgag	ggtggcgagc	gcctagcttg	ggtgagtgc
5941	tatttcttta	taaaccacaa	ctctgggccc	gcaatggcag	tccactgctt	gctgcagtca
6001	cagaatggaa	atctgcagag	gcctccgcag	tcacctaate	actctcctcc	tcttctgttt
6061	ccattcagag	acgatctgcc	gacctctggg	gagaaaaatcc	agcaagatgc	aagccttcag
6121	gtaaggctac	cccaaggagg	agaagggtgag	ggtggatcag	ctggagactg	gaaacatate
6181	acagctgcc	gggctgccag	gccagagggc	ctgagaactg	ggtttgggct	ggagaggatg
6241	tccattattc	aagaaagagg	ctgttacatg	catgggcttc	aggacttgtg	tttcaaaata
6301	tcccagatgt	ggatagtgcg	accggagggc	tgtcttactt	tcccagagac	tcaggaaacc
6361	agtgaagtaa	agatgcctgc	caaggagttg	gactgctgatt	caggcctagt	tgaatgtgct
6421	gacagagaag	cagagagggg	caccaggggc	acagcccga	ggcccagact	gatatgggca
6481	aggcctgtct	gtgctgacat	gtcggagggt	cccactctcc	agggaccttg	gtttcccctg
6541	ctgtgacatc	tgtgacatga	gagtcacgat	aactccttgt	gtgccttaca	gggttgttgt
6601	gaaaattaaa	tgcacagata	atagcgtaac	agtattccgt	gcattgtaaa	gagcctgaaa
6661	accattatga	tttgaaaatg	gaatcggctt	tgtgagacca	tcactattgt	aaagatgtga
6721	tgctgataga	aatgacagga	ctgcttgtgc	atgccctctg	cagtgtgaca	ttccagcagt
6781	gaaatcatgt	tggggtgact	tctccccac	tctgaccttt	atgtttgtct	gggccgaggc
6841	tgaagtcgg	gctctgtggg	tgtatgagt	acaagtctct	ccctccaga	tatggggact
6901	gtctgcttcc	ctagggtgcc	tctccctgct	ctgatcagct	agaagctcca	ggagatcctc

FIGURE 1 (continued)

6961	ctggaggccc	cagcaggtga	tgtttatccc	tccagactga	ggctaaatct	agaaactagg
7021	ataatcacia	acaggccaat	gctgccatat	gcaaagcact	ttgggtttgcc	tggccacccc
7081	tcgtcgagca	tgtgggctct	tcagagcacc	tgatgaggtg	ggtacagtta	gccacacttc
7141	acaggtgaag	aggtgaggca	caggtcccag	gtcaggctgg	ccggagctct	gtttattacg
7201	tctcacagct	ttgagtcctg	ctctcaacca	gagaggccct	ttaccaagaa	gaaaggattg
7261	ggaccagaa	tcaggtcact	ggctgaggta	gagaggaagc	cgggttggtc	ccaagggtag
7321	ctgctcctgc	aggactctga	gcaggtcacc	agctaattga	ggaaaaggctc	tagggaaaaga
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7441	tacctaggtg	ctatggtagc	cactagtctc	aggtggctat	ttaaatttat	acttaaataga
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7561	gtcaatagcc	acatgtggtt	agtggccacc	ctattgggca	gtgcagctac	agaacatttt
7621	tgcaccccag	aaagtctctt	tggatgttgc	tgctctacag	catgctttgc	tgaacagaa
7681	gtgcttccc	tgggaatctc	agatgggaag	caagtaagga	ggggagtcaa	atgtgggctc
7741	actgctcacc	agctgtgagg	gttgggctc	ctcttaacc	attgtcagcc	tcagtctctc
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7861	ttgacaagtt	ctgggggaca	caggaagggtg	ccaagcaca	ggctgggcac	atggtggctg
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8041	gtgagtgggt	gccaggaaag	ccaatgtatc	tgggcatcac	gtcactttgc	ccgtctgtct
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8281	ccagggccac	agctgggaag	ggcaaatacc	agaaggcaag	gttgaccatt	cccttctctc
8341	agtgcctatt	aaggctccat	gttcttatgt	tgttcaaacc	ctaactcaat	cccaaattaa
8401	tccaccatgt	ataaggttga	gctatgtctc	ttattcctgg	acaccatact	cagccatact
8461	tggccacac	attaacagct	ggatgacctt	gaagaagctt	caccactctc	gttcctcagc
8521	tttcccttca	gtgggatgat	atcaactgga	caacaggatg	tgcgattctt	ttagttccag
8581	ccttccagga	tgttttcact	ccctgtttg	ttgttgtagg	atggtattac	ctccaccttc
8641	ccaccttccc	tatgccctgg	ttctgtctcc	tgtgcctcgc	tctgaaagtg	gatgagacct
8701	acaattcctg	tctgtgtagt	tctcctaatt	aacacactga	agcacgagga	agctgagatt
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8821	ggctcctgg	ggagccccc	tcattggcct	gttcattttc	cctgccccct	agcaacactc
8881	ctattgacct	ggagcacagg	tatcctgggg	aaagtgaggg	aaatatggac	atcacatgga
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9181	atatggacat	cacatggaac	aacatccagg	agactcaggc	ctctaggagt	aactgggtag
9241	tgtgcttggt	ttaattctct	atttacctgc	agaccaggaa	gatgagacct	ctctgccctt
9301	ctgacctcgg	gattttagtt	ttgtggggac	caggggagat	agaaaaatac	ccggggtctc
9361	ttcattattg	ctgcttctc	ttctattaac	ctgaccctcc	cctctgttct	tccccagaaa
9421	agatagatgt	ggtacccatt	gagcctcatg	ctctgttctt	gggaatccat	ggagggaaga
9481	tgtgcctgtc	ctgtgtcaag	tctggtgatg	agaccagact	ccagctggag	gtaaaaacat
9541	gctttggatc	tcaaatcacc	ccaaaaccca	gtggcttgaa	acaacaaaaa	ttttttctta
9601	tgattctgtg	ggttgaccag	gattagctgg	gtagtctctg	tccatgtggt	ggaacatgct
9661	ggggtcactt	tggaaagctgc	attcagcaga	gtgccaggct	tgcgctgggc	atccaagggtg
9721	gtccctcctc	ctccaggctc	tctttccatg	tgatctctca	gtgtttaaga	gttagttgga
9781	gcttccctac	agcatggcgg	ctgacttcca	aaagggatta	ttccaaaaag	agcctcaaca
9841	tgcaggcgtt	tattatgact	tctgtctgca	tcactctatt	ggccaaagcc	agtcacgtgg
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9961	cactgggggc	caccactgta	accatctacc	acaggacctg	aatctctgtg	tgtactccc
10021	ttgctcaagg	gccccctac	ccacgcagac	ctgctgtctt	ctagcaaagc	ccatcctcag
10081	gacctttctc	ttccaatcct	tattgactca	aattgattag	ttggtgctcc	accagagacc
10141	ctgtgctcct	ttatctcatg	taatgttaat	gggtttccca	gccctgggaa	aacatggctt
10201	tgtctcaggg	gcttgctgga	tgcaacctta	acctcaatgt	gagtggccat	actgtggcac
10261	tgtcccatcc	ctcaccaggg	acactgttct	ggagggtgac	tgctgttctt	gtgaggagtg
10321	gggatggcta	ggacattgca	tggaaacac	caccacccca	tcttctcaga	gtcacaaccc
10381	tgacagaaca	ccagctccac	aggccttggc	ttctgctgat	ggtgccgtgt	atttaccaga

FIGURE 1 (continued)

10441	cttagtggtc	caaggccaga	gtggcagatt	tcccaaagtc	aaggtgtgac	agtgggacag
10501	cctctttgtg	tctttgctgt	cctaagaaac	ctgggccagg	ccaggcgcag	tggctcacgc
10561	cttgtaatcc	cagcactttg	agaggccaag	gtgggcagat	cacgagggtca	ggagtttgag
10621	accagcctgg	ccaacattgg	tgaaccctg	tctctattaa	aaatagaaaa	cattagacag
10681	gtgtgggtgt	gcatgcctgt	aatcccagct	actcaggagg	ctgaggcagg	agaatcgctt
10741	gaacccagga	ggtggagggt	gcagtgaacc	gagattgtgc	cactgcactc	cagcctagge
10801	gacagagcaa	gactccgtct	cgggaaaatt	aattaataaa	taaataaacc	taggtcccag
10861	agtcccacag	aatggcagac	aggagcacct	gggggctttt	aggggatggc	atttcccctg
10921	tactaaactct	gggctgtcca	gaggcgattt	catggcgtgg	agtggagagg	gaggcagcac
10981	aggacttcct	aggcctcagc	tctcacctgc	ccatcttttg	atttccaggc	agttaacatc
11041	actgacctga	gcgagaacag	aaagcaggac	aagcgcttcg	ccttcacccg	ctcagacagt
11101	ggccccacca	ccagttttga	gtctgcgcgc	tgccccgggt	ggttcctctg	cacagcgatg
11161	gaagctgacc	agcccgtcag	cctcaccaat	atgctgaag	aaggcgctcat	ggtcaccaaaa
11221	tctacttcc	aggaggacga	gtagtactgc	ccaggcctgc	ctgttcccat	tcttgcatgg
11281	caaggactgc	agggactgcc	agteccccctg	ccccagggt	ccgggctatg	ggggcactga
11341	ggaccagcca	ttgaggggtg	gacctcaga	aggcgtcaca	acaacctggg	cacaggactc
11401	tgcctcctct	tcaactgacc	agcctccatg	ctgcctccag	aatgggtcttt	ctaattgtgtg
11461	aatcagagca	cagcagcccc	tgcacaaaag	ccttccatgt	cgctctgca	ttcaggatca
11521	aaccccgacc	acctgccccaa	cctgctctcc	tcttgccact	gcctcttcc	ccctcattcc
11581	accttcccat	gcccctggatc	catcaggcca	cttgatgacc	cccaaccaag	tggctcccac
11641	acctgtttt	acaaaaaaga	aaagaccagt	ccatgaggga	ggtttttaag	ggtttgtgga
11701	aaatgaaaat	taggatttca	tgattttttt	ttttcagtc	ccgtgaagga	gagcccttca
11761	tttgagagatt	atgttctttc	ggggagaggc	tgaggactta	aaatattcct	gcatttgtga
11821	aatgatgggtg	aaagtaagtg	gtagcttttc	ccttcttttt	cttctttttt	tgtgatgtcc
11881	caacttgtaa	aaattaaaag	ttatgggtact	atgttagccc	cataattttt	tttttctttt
11941	taaaacactt	ccataatctg	gactcctctg	tccaggcact	gctgcccage	ctccaagctc
12001	catctccact	ccagattttt	tacagctgcc	tgcagtactt	tacctcctat	cagaagtttc
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12241	cgtatatgtc	tcaggctcct	gcagggccaa	gcacctagcc	tgcctcttgg	caggtaactca
12301	gcgaatgaat	gctgtatatg	ttgggtgcaa	agttccctac	ttcctgtgac	ttcagctctg
12361	ttttacaata	aaatcttgaa	aatgcctata	ttgttgacta	tgtccttggc	cttgacaggc
12421	tttgggtata	gagtgtctgag	gaaactgaaa	gaccaatgtg	tyttycttac	cccagaggct
12481	ggcgccctggc	ctcttctctg	agagttcttt	tcttccctca	gcctcactct	ccctggataa
12541	catgagagca	aatctctctg	cgggg			

FIGURE 2

1 meicrglrsh litlllflfh seticrpsgr ksskmqafri wdvngktfyl rnnqlvagyl
61 qgpvnleek idvvpiepha lflgiaggkm clscvksge trlqleavni tdlsearkqd
121 krfafirsds gpttsfesaa cpgwflctam eadqpvsln mpdegvmvfk fyfqede

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